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INFORMATIVE NOTE

1. SIGNIFICANCE:

THIS BRIEFING BOARD COMBINES BOTH RECONNAISSANCE
AND MOTION PICTURE STRIKE PHOTOGRAPHY IN THE DEPICTION
OF THE QUANG KHE HIGHWAY FERRY WEST OVER THE RAO NAY



25X1

2. LOCATION:

THIS FERRY CROSSING IS LOCATED APPROXIMATELY
TWO NM WEST-NORTHWEST OF QUANG KHE AND APPROXIMATELY
SIXTEEN NM NORTHWEST OF DONG HOI, AND SERVES THE BY-PASS
TO ROUTE 1A, THE MAJOR NORTH/SOUTH HIGHWAY ROUTE IN
NORTH VIETNAM.

3. STRIKE INFORMATION:

STRIKE DATA REPORTS THAT THE QUANG KHE AREA OF
NORTH VIETNAM HAS BEEN THE OBJECT OF REPEATED AIR STRIKES
BY THE UNITED STATES.

4. DIMENSIONS:

THE QUANG KHE HIGHWAY FERRY WEST OVER THE RAO NAY
(RIVER) CONSISTS OF A CROSSING ORIENTED NORTH/SOUTH AND
APPROXIMATELY 1800 FEET IN LENGTH, WITH AN EARTHEN LANDING

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GROUP 1
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downgrading and
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RAMP ON THE NORTHERN SHORE (50 X 30 FEET) AND AN
EARTHEN LANDING RAMP ON THE SOUTHERN SHORE (200 X 30 FEET).

5. PHOTOGRAPHIC READOUT:

SIXTEEN MM MOTION PICTURE PHOTOGRAPHY TAKEN BY AN
A-4E AIRCRAFT OF VA-72 FROM THE USS INDEPENDENCE (CVA-62)
AT APPROXIMATELY 0915 HOURS ON 01 SEPTEMBER 1965 DEPICTS
THE FOLLOWING: AN A-4E AIRCRAFT IN FLIGHT DIRECTLY AHEAD
OF THE CAMERA AIRCRAFT PREPARING FOR A RUN ON A FERRY BOAT,
A BULLPUP AIR-TO-SURFACE MISSILE BEING FIRED BY THE
STRIKING AIRCRAFT, THE MISSILE IN ITS FLIGHT, AND ITS
RESULTANT IMPACT ON THE SHORE NEAR THE FERRY.

REVEALS THE AREA OF
THE 01 SEPTEMBER STRIKE TO CONTAIN THE LOCATION OF THE
MISSILE IMPACT POINT ON THE SHORE OF THE RAO NAY (RIVER)
NEAR A SUNKEN FERRY BOAT.

25X1

6. ORDNANCE INFORMATION:

THE BULLPUP AIR-TO-SURFACE MISSILE, USED BY BOTH THE
NAVY AND THE AIR FORCE, IS WIDELY DEPLOYED ON CARRIER-BASED
AIRCRAFT AND IN AIR UNITS OF THE MARINE CORPS AND AIR FORCE
IN THE CONTINENTAL UNITED STATES AND OVERSEAS.

RESEARCH AND DEVELOPMENT WAS BEGUN ON THIS MISSILE

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IN 1953 AND BECAME INITIALLY OPERATIONAL ABOARD THE
CARRIER LEXINGTON IN 1959.

PERTINENT PERFORMANCE AND SPECIFICATION DATA OF
THE BULLPUP ASM (MODEL A) IS AS FOLLOWS:

RANGE : 3 TO 6 NAUTICAL MILES
SPEED : MACH 1.8
LENGTH : 11 FEET
DIAMETER : ABOUT 1 FOOT
LAUNCH WEIGHT: 571 POUNDS
GUIDANCE : RADIO COMMAND WITH VISUAL
REFERENCE
WARHEAD : HE VARYING FROM 250 TO 1,000 POUNDS
PROPULSION : SOLID AND PACKAGED LIQUID

7. REMARKS:

THE UTILIZATION OF THE SIXTEEN MM MOTION PICTURE
GUN CAMERA, COMMON DURING WORLD WAR II, IS NO LONGER
PROVIDED FOR IN THE DESIGN OF PRESENT-DAY HIGH PERFORMANCE
AIRCRAFT. HOWEVER, DURING THE PAST YEAR, FLEET UNITS OFF
OF VIETNAM HAVE EMPLOYED A JURY-RIGGED CAMERA SYSTEM WITH
INCREASING SUCCESS. THE SYSTEM USES A SIXTEEN MM MILLICAN
CAMERA MOUNTED IN A POD, AND SUSPENDED FROM ONE OF THE

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WEAPONS STATIONS OF THE TRAILING AIRCRAFT IN A TWO-PLANE ATTACK FORMATION. THE WINGMAN FOLLOWS THE FLIGHT LEADER DOWN AND TURNS ON THE CAMERA DURING THE WEAPONS RELEASE AND IMPACT PORTION OF THE LEADERS STRIKE. A RECENT MODIFICATION INCLUDES A SECOND REARWARD-LOOKING CAMERA TO RECORD THE IMPACT OF THE WEAPONS FROM THE CAMERA PLANE.

THE CAMERA OPERATES AT FORTY-EIGHT FRAMES PER SECOND (TWICE NORMAL SPEED) TO REDUCE THE EFFECTS OF VIBRATION. WITH A MAGAZINE CAPACITY OF THREE HUNDRED FEET, THIS PERMITS JUST OVER FOUR MINUTES OF OPERATION.

AT PRESENT, AT LEAST ONE AIRCRAFT IN EACH OF THE ATTACK SQUADRONS ABOARD THE CARRIERS OFF VIETNAM IS EQUIPPED WITH THIS CAMERA POD. SINCE JUNE THIS PROGRAM HAS PRODUCED APPROXIMATELY 10,000 FEET (200 MINUTES) OF USABLE FILM. THIS FILM IS FORWARDED FROM THE SHIP TO THE U.S. NAVAL PHOTOGRAPHIC CENTER THE SAME DAY IT IS RECOVERED, WHERE IT IS AVAILABLE FOR VIEWING ELEVEN DAYS LATER.

NPIC WILL VERY SHORTLY BEGIN RECEIVING AN AUTOMATIC COPY OF ALL SUCH FILM BEING SHOT IN VIETNAM.

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